

**Management Considerations and Implications**  
**Even-aged vs. Uneven-aged Regeneration Systems**  
**Simpson Timber Company**

	<u><b>Uneven-aged</b></u>	<u><b>Even-aged</b></u>
Species Mix	Favors shade-tolerant species such as hemlock.	Favors shade-intolerant species such as redwood and Douglas-fir.
Growth and Yield	Less opportunity to “manage” and promote individual tree diameter growth of selected species.	More opportunity to “manage” and promote individual tree diameter growth of selected species, especially during the early stages of stand development.
Product Management	General product manufacturing and marketing is more opportunistic under uneven-aged management, because the diameter and species mix from harvested stands is more “unpredictable.”	General product manufacturing and marketing is less opportunistic and subject to greater long-term planning under even-aged management, because the diameter and species mix from harvested stands can be more easily “managed” at an early stand age.
Logging System	More emphasis on downhill tractor yarding using skid trails.	More emphasis on uphill yarding using cable corridors.
Road and Skid Trail Layout	Greater concentration of roads and skid trails along the mid and lower slope reaches within a watershed; usually larger landing sizes to accommodate equipment. Skid trails tend to be larger in size than cable corridors for even-aged systems.	Greater concentration of roads and skid trails along mid and upper slope reaches within a watershed; usually smaller landing sizes. Cable corridors are usually smaller in size than skid trails associated with tractor logging under uneven-aged systems.
Watercourse Crossings	The greater concentration of roads on mid and lower slopes within a watershed under this management system usually necessitates a greater number of watercourse crossings.	The greater concentration of roads on mid and upper slopes within a watershed under this management system usually does not require as many watercourse crossings as under uneven-aged management systems.